

1

DIALOG(R)File 351:Derwent WPI
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XR- <XRAM> C96-0243951

TI- Inhibitor of mammalian intestinal lipase - comprises peptide derived from wheat, used in food preservation!

PA- KYODO NYUGYO KK (KYOD)|

NC- 001|

NP- 001|

PN- JP 7330794 A 19951219 JP 94146983 A 19940607 199608 B|

AN- <LOCAL> JP 94146983 A 19940607|

AN- <PR> JP 94146983 A 19940607|

FD- JP 7330794 A C07K-014/415|

LA- JP 7330794(3)|

AB- <BASIC> JP 7330794 A

Inhibitor (A) for lipase in the mammalian intestines comprises a material derived from wheat. Pref. (A) is (A1) with mol.wt. of 25000, isoelectric point of 7.1 - 6.9 and amino acid sequence of Arg-Ser-Ala-His-Glu-Pro-Gln-Pro (LI-Ea-1-2) from N-terminal; or (A2) mol.wt. of 28000, isoelectric point of 6.7 and amino acid sequence of Arg-Ser-Ala-His-Glu-Gln-Gln-His (LI-Ea-1-3) from N-terminal. (A) is stable at pH 3-7 and at 60 and 80 deg. C for 60 min., and has $K_m = 0.1229$ mM.

They exhibited lipase inhibitory activity of 1293, 612, 0, 0, and 0 U/mg, respectively, against lipases of porcine pancreatic juice, *Candida cylindracea*, *Rhizopus arrhizus*, *Chromobacterium viscosus* and *Pseudomonas* sp., respectively.

USE/ADVANTAGE - (A) is effective inside the body, as well as outside. Lipase inhibitors (A) are used for the prevention of deterioration of foods. In an example Lipase inhibitors (A1) and (A2) were extracted from seeds of wheat by conventional methods.

Dwg.0/2|

DE- <TITLE TERMS> INHIBIT; MAMMAL; INTESTINAL; LIPASE; COMPRISE; PEPTIDE; DERIVATIVE; WHEAT; FOOD; PRESERVE|

DC- D13|

IC- <MAIN> C07K-014/415|

IC- <ADDITIONAL> A23L-003/3526; C12N-009/991

MC- <CPI> D03-F01|

FS- CPI||